These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Transocean standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

Patent Notice: This rig, its systems, components, and/or equipment in use on this rig, may be protected by one or more US and/or foreign patents.

General Description

Design / Generation: Transocean Offshore Enhanced Enterprise Class
Constructing Shipyard: DSME, South Korea
Year Entered Service / Significant Upgrades: 2010
Classification: DNV, 1A1
Flag: Marshall Islands
Dimensions: 835 ft. long x 125 ft. wide x 62 ft. deep
Draughts: 40 ft. operating / 28 ft. transit
Accommodation: 220 persons
Displacement: 99,405 st operating
Variable Deck: 22,046 st operating / 22,046 st transit
Transit Speed: up to 12 knots
Maximum Water Depth: 12,000 ft. designed / 10,000 ft. outfitted
Maximum Drilling Depth: 40,000 ft

Drilling Equipment

Derrick: NOV Dual Activity Derrick, 220ft. high, with 80 ft. x 80 ft. base.
Hookload Capacity: (Main) 2,500,000 lbs. gross nominal capacity.
(Aux) 2,000,000 lbs. gross nominal capacity.
(Open) NOV Active Heave Drawworks with 6 x General Electric GEB-22A2 motors rated at 6,900 total hp. 1,050 st rated hook load with 2 inch drill line.
(Open) NOV Active Heave Drawworks with 6 x General Electric GEB-22A2 motors rated at 6,900 total hp. 1,050 st rated hook load with 2 inch drill line.
Compensator: (Main) in drawworks, active heave compensation
(Aux) in drawworks, active heave compensation.
Rotary Table: (Main) 1 x 75-1/2 inch opening 1375 st rated.
(Aux) 1 x 60-1/2 inch opening 1000st rated.
Top Drive: (Main) 2 x Aker Maritime Hydraulics MDDM rated at 1,250 st motor, rated to 101,200 ft.-lbs. continuous drilling torque in low gear
(Aux) Same as above.
Tubular Handling: 2 x NOV PRS-5 pipe racking system, complete with pipe conveyor, PLS-5 Pipe Laydown System, and 2 x AR4500 Iron Roughnecks. Set up for offline stand building.
Riser Feed: NOV Converex Riser Handling System (RHS). 75 ft long x nominal 21 inch HMF-G Riser Equipment for 10,000 ft. water depth.
Mud Pumps: 4 x National 14-P-220 triplex pumps, each driven by 2 x AC 1,230 hp traction motors.
HP Mud System: Rated for 7,500 psi
Solids Control: 6 x Axiom AX-1 shale shakers

Power & Machinery

Main Power: 6 x STX-MAN-B&W 14V32/40 diesel engines rated at 6,720 kW, each driving 1 x LDW-5SE 6,520 kW generator
Emergency Power: 1 x STX-MAN-B&W 7L27/38 diesel engine rated 2,310 kW, driving 1 x Hyundai 2,234 kW generator.
Power Distribution: Siemens 11kV switchboards; with Siemens Blue variable speed drives generator protection.

Storage Capacities

Fuel Oil: 35,317 bbl
Liquid Mud: 20,000 bbl Active
Base Oil: 9,215 bbl
Brine: 20,288 bbl
Drill Water: 11,950 bbl
Potable Water: 7,550 bbl
Bulk Material: (mud + cement) 32,000 cu.ft.
Sack Storage: 16,000 sacks

BOP & Subsea Equipment

BOP Rams: 1 x Hydril 18-3/4 inch 15,000 psi 6-ram preventer. (3 x compact dual ram)
BOP Annulars: Hydril Dual Annulflex 18-3/4 inch 10,000 psi annular preventer.
BOP Handling: BOP skid system comprised of 3 x 375 st BOP carts; 3 x 100 st Xmas Tree/Auxiliary carts; 2 x sets of spider beams rated to 350 st per set
Marine Riser: Vetco HMF 21 inch OD. Riser joints that average 75 ft. long per joint.
Tensioners: 6 x NOV N-line Tensioning System, rated at 400 st each and with a stroke of 50 ft.
Diverter: Vetco C90 diverter with an opening of 72 inches and a rated pressure of 500 psi and 2 x 16 inch flow lines.
Tree Handling: 3 x 100 st Xmas tree skid carts;
Moonpool: 80 ft. length x 30 ft. width.

Station Keeping / Propulsion System

Thrusters: 6 x Rolls Royce Aquamaster 5,500 kW fully azimuthing thrusters.
DP System: Kongsberg triple redundant SDP-32 Dynamic Positioning System. DP Class 3 rating.
Cranes

Cranes: 4 x NOV Knuckle Boom cranes rated for 100 mt and a lift radius of 148 ft.

Other Information

Helideck: Rated for Sikorsky S-61 or Chinook 234 helicopters
Other: (1) BOP Acoustic Backup Control System, (2) Managed Pressure Drilling (MPD) Ready

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Revision Date: 26 March 2018
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